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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/080,104	02/21/2002	Kaoru Koike	09792909-5344	1692
26263	7590 12/15/2005		EXAM	INER
SONNENSC	HEIN NATH & ROS	ERDEM	ERDEM, FAZLI	
P.O. BOX 061			ADMINUM	DADED MUMDED
WACKER DRIVE STATION, SEARS TOWER			ART UNIT	PAPER NUMBER
CHICAGO, I	L 60606-1080		2826	

DATE MAILED: 12/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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•	Application No.	Applicant(s)				
	10/080,104	KOIKE ET AL.				
Office Action Summary	Examiner	Art Unit				
	Fazli Erdem	2826				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filled after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filled, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 30 September 2005. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
 4) ☐ Claim(s) 12-37,51-57,61-66,68-82 and 84-86 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) 12-37,51-57,62-66,68-82 and 84-86 is/are allowed. 6) ☐ Claim(s) 61 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement. 						
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Examine 10.	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P					

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DETAILED ACTION

Allowable Subject Matter

1. Claims 12-37, 51-57, 62-66, 68-82 and 84-86 allowed.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claim 61 rejected under 35 U.S.C. 103(a) as being unpatentable over Yahiro et al. (6,204,509) in view of Mitome et al. (5,695,897) further in view of Fujii et al. (5,939,132)

Regarding Claim 61, Yahiro et al. disclose a projection-microlithography apparatus, masks, and related method incorporating reticle distortion measurement and correction where in figs. 1(a) – 1(f), it is disclosed a plurality of pattern formation regions 50 in which mask circuit patterns are to be formed, and a supporting region 51 in which an y mask circuit is not to be formed where the supporting region being provided for holding plurality of pattern formation regions while separating plurality of pattern formation regions from each other where the supporting region has first alignment marks 53 used at the time of exposure of a mask made from the mask making member for forming the mask circuit pattern and second alignment patterns 301 used at the time of exposure of a substrate to be exposed for forming circuit patterns. Furthermore, Yahiro et al. disclose that first and second alignment marks are formed on an electron scatterer formed on a membrane by selectively removing electron scatterer and first and second

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alignment marks formed on a mask board. Yahiro et al. fail to disclose that first and second alignment marks formed one at a time and the required burying of the contact hole. However, Mitome et al. disclose an alignment method and semiconductor exposure method where in claims 1 and 2, the required one at a time alignment mark method is disclosed. Furthermore, Fujii et al. disclose alignment chips positioned in the peripheral part of the semiconductor substrate and method of manufacturing the same where in columns 2, 5 and 6 the required contact hole burial structure is disclosed.

It would have been obvious to one of having ordinary skill in the art at the time the invention was made to include the required one at a time alignment mark method and the hole burial method in Yahiro et al. as taught by Mitome et al. and Fujii et al. respectively, in order to have a mask making member with increased reliability.

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

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CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fazli Erdem whose telephone number is (571) 272-1914. The examiner can normally be reached on M - F 8:00 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272-1915. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

FE December 11, 2005

